PHOTOGRAPHIC INTERPRETATION REPORT


# PROBABLE LONG RANGE SAM LAUNCH COMPLEX FEODOSIYA, USSR

[redacted] 25X1

JULY 1967

COPY 116

16 PAGES

Declass Review by NIMA / DoD

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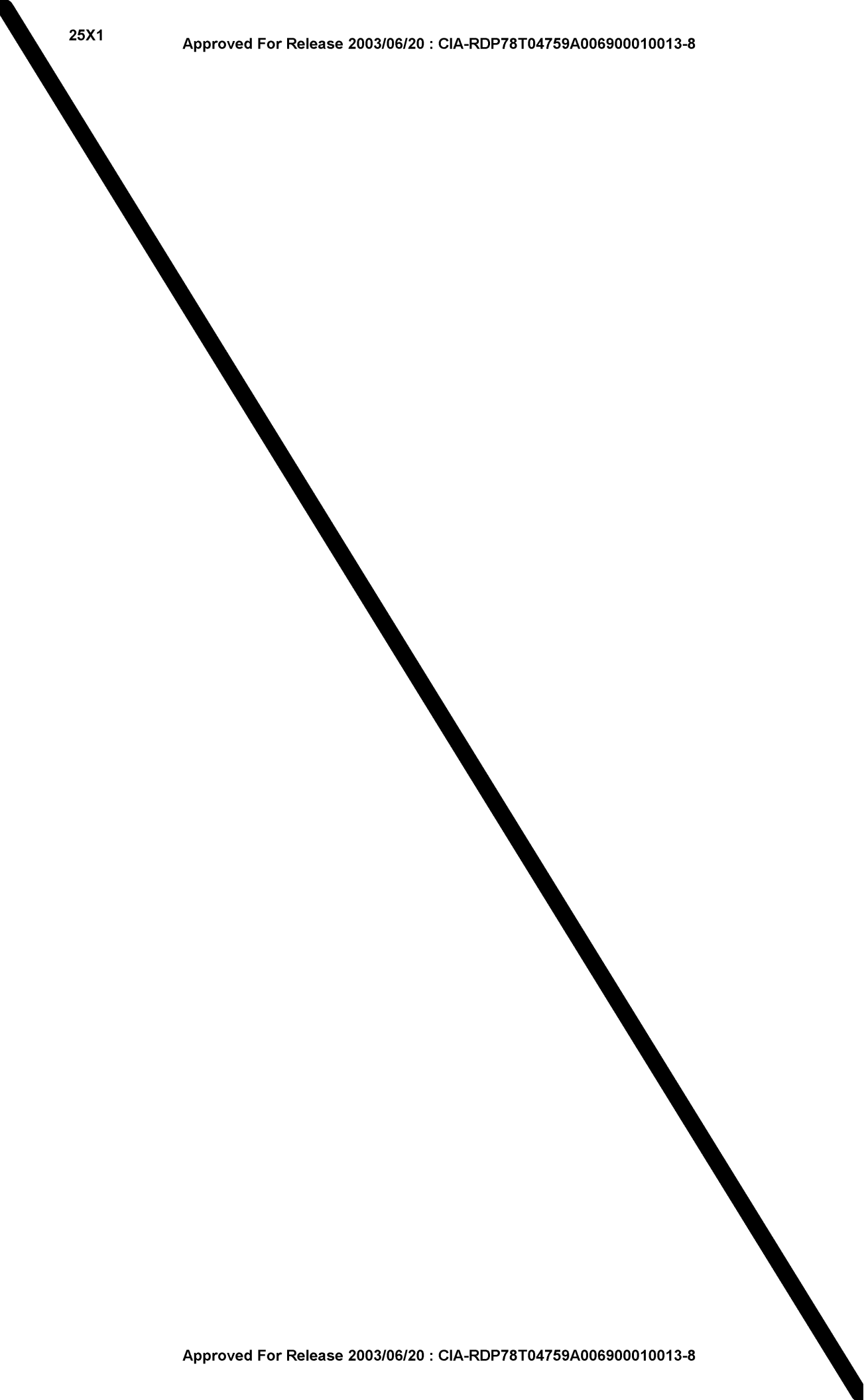
GROUP 1: EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION



PHOTOGRAPHIC INTERPRETATION REPORT

# PROBABLE LONG RANGE SAM LAUNCH COMPLEX FEODOSIYA, USSR

JULY 1967

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

A Probable Long Range SAM (PLRS) Launch Complex located 16.5 nautical miles (nm) northeast of the town of Feodosiya (Figure 1) marks the first deployment of this type of complex in the Black Sea area. 1/

This category 3B complex, which is oriented on an azimuth [redacted] is located at 45-09N 35-43E, at an elevation of approximately 200 feet. 25X1D

Review of earlier coverages reveals that the complex was not present [redacted] First activity at the complex was discernible [redacted] 25X1D 25X1D 25X1D

The doubly secured complex (Figures 2 and 3), which is under construction, consists of 3 launch sites, designated sites A, B, and C, a tracking/guidance facility, a missile-handling facility, and an associated support area. Ancillary facilities include an air warning (AW) radar facility (probably for BACK NET and SIDE NET radars) and 2 unidentified facilities.

25X1D Photography used in preparing this report includes that obtained through [redacted] A brief description of the complex components with annotated photographs and line drawings follows.

## Launch Area

Launch Site A (Figure 4) consists of 6 launch positions, designated A1-A6, and a control revetment under construction. Launch Positions A1 and A2 have arc-shaped earthen walls located on the inner perimeter of the launch positions' service road, while Positions A3 and A4 are unrevetted. Positions A5 and A6 have short, linear, earthen walls located on the outer perimeter of the launch positions' service road. V-shaped scarring indicative of preparation for missile-dolly tracks was observed at each of the 6 launch positions. The control area consists of an unoccupied U-shaped earthen revetment. Trenching connects the control revetment at this site with the control revetment in Launch Site B and the tracking/guidance facility.

Launch Site B (Figure 5) consists of 6 launch positions, designated B1-B6, and a control revetment under construction. As was the case at Launch Site A, Launch Positions B1 and B2 have arc-shaped earthen walls, while Positions B3-B5 are unrevetted. Position B6 has a short, linear, earthen wall located on the outer perimeter of the launch position service road. Preparation for missile-dolly tracks was observed at all 6 positions. The control area consists of an unoccupied U-shaped earthen revetment. Trenching extends from a point just south of the control revetment northward to the control revetment of Launch Site A.

Launch Site C (Figure 6) consists of 6 launch positions, designated C1-C6, and a control revetment under construction. The physical layout of the site is identical to that seen at Launch Site A. Preparations for missile dolly tracks were observed at all 6 launch positions. The control area consists of an unoccupied U-shaped earthen revetment. A trench has been dug connecting the tracking/guidance facility to a substation located approximately 14,000 feet southwest of the complex.

## Tracking/Guidance Facility

This facility (Figure 7) consists of 3 radar positions and a drive-through central control revetment under construction. No electronic-associated equipment (radar or electronic vans) was observed. Trenching connects the central control revetment with Launch Sites A and B, the substation, the air warning radar facility, and 2 unidentified facilities.

## Missile-Handling Facility

The missile-handling facility (Figure 8) is just south of the launch sites, and is in the very early stages of construction, with only the construction of the internal road network and 2 buildings observed. Trenching was observed throughout the area.

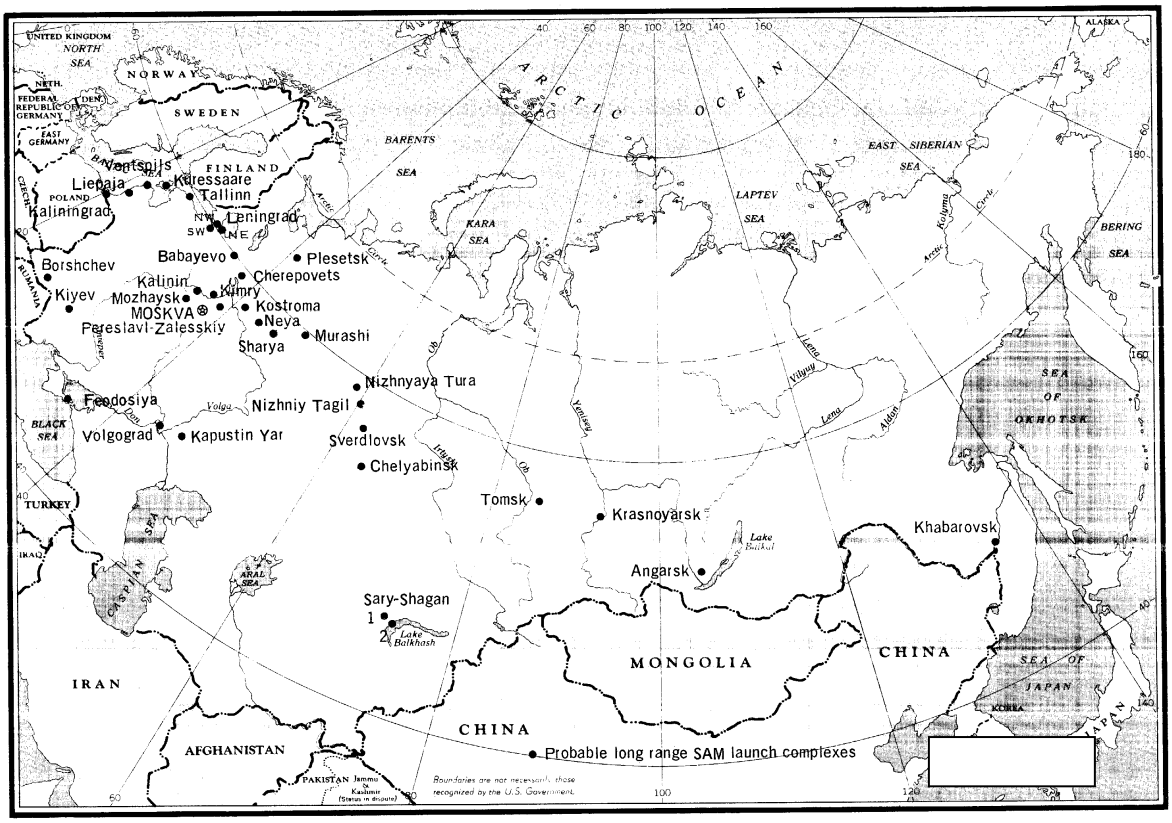



*FIGURE 1. DEPLOYMENT OF PROBABLE LONG RANGE SAM LAUNCH COMPLEXES, USSR.*

### Support Area

The support area (Figure 9) consists of 7 buildings, including a probable heatplant under construction. Of the remaining buildings in the support area, 5 have been completed.

### Air Warning Radar Facility

The facility (Figure 10), which is approximately 18,000 feet north-northwest of the PLRS complex, is secured and consists of 4 unoccupied radar mounds, an earthen central control revetment, and an associated support building. Trenching extends from the site to the 2 unidentified facilities and to the PLRS launch area. 25X1B

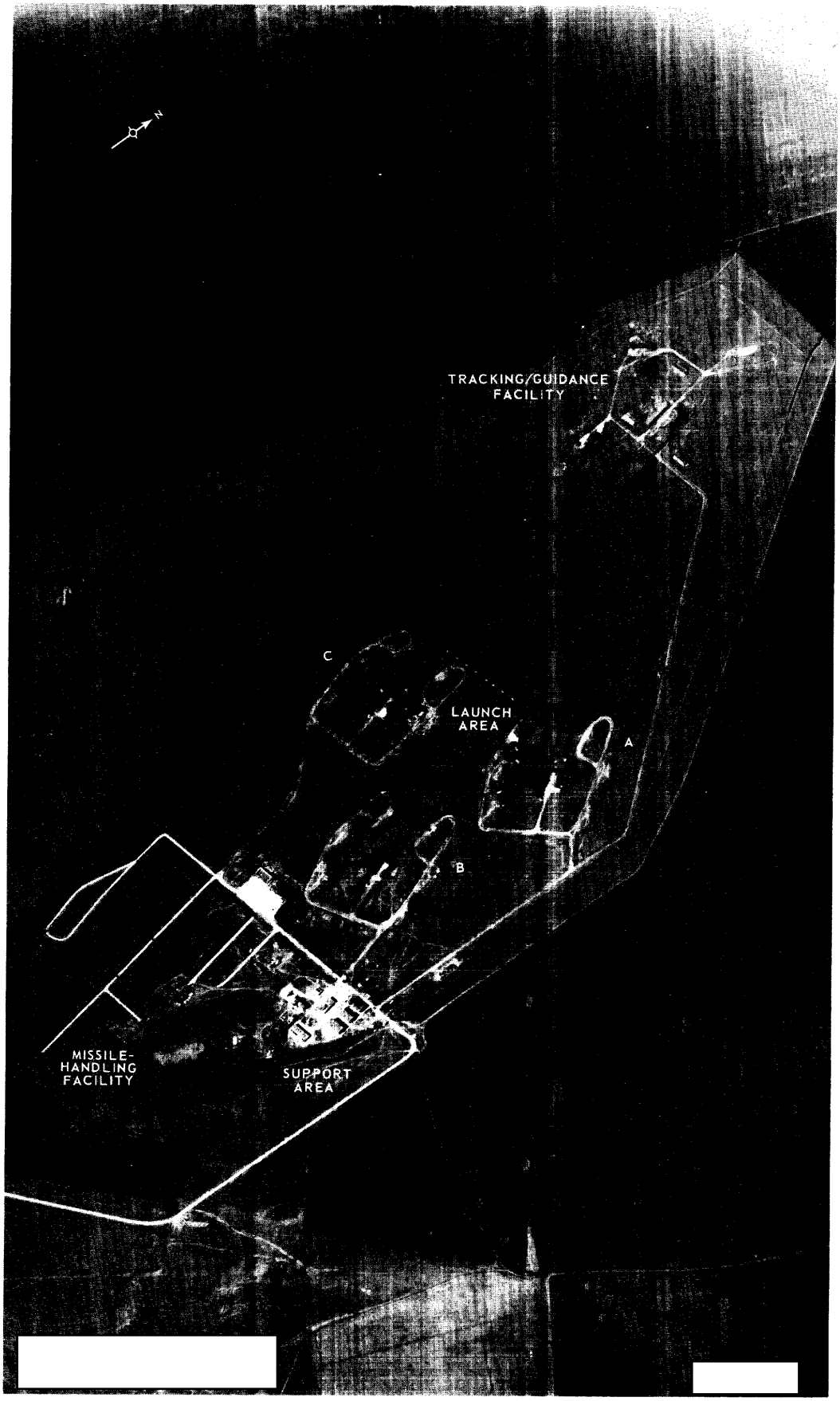



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*FIGURE 2. FEODOSIYA PROBABLE LONG RANGE SAM LAUNCH COMPLEX.*

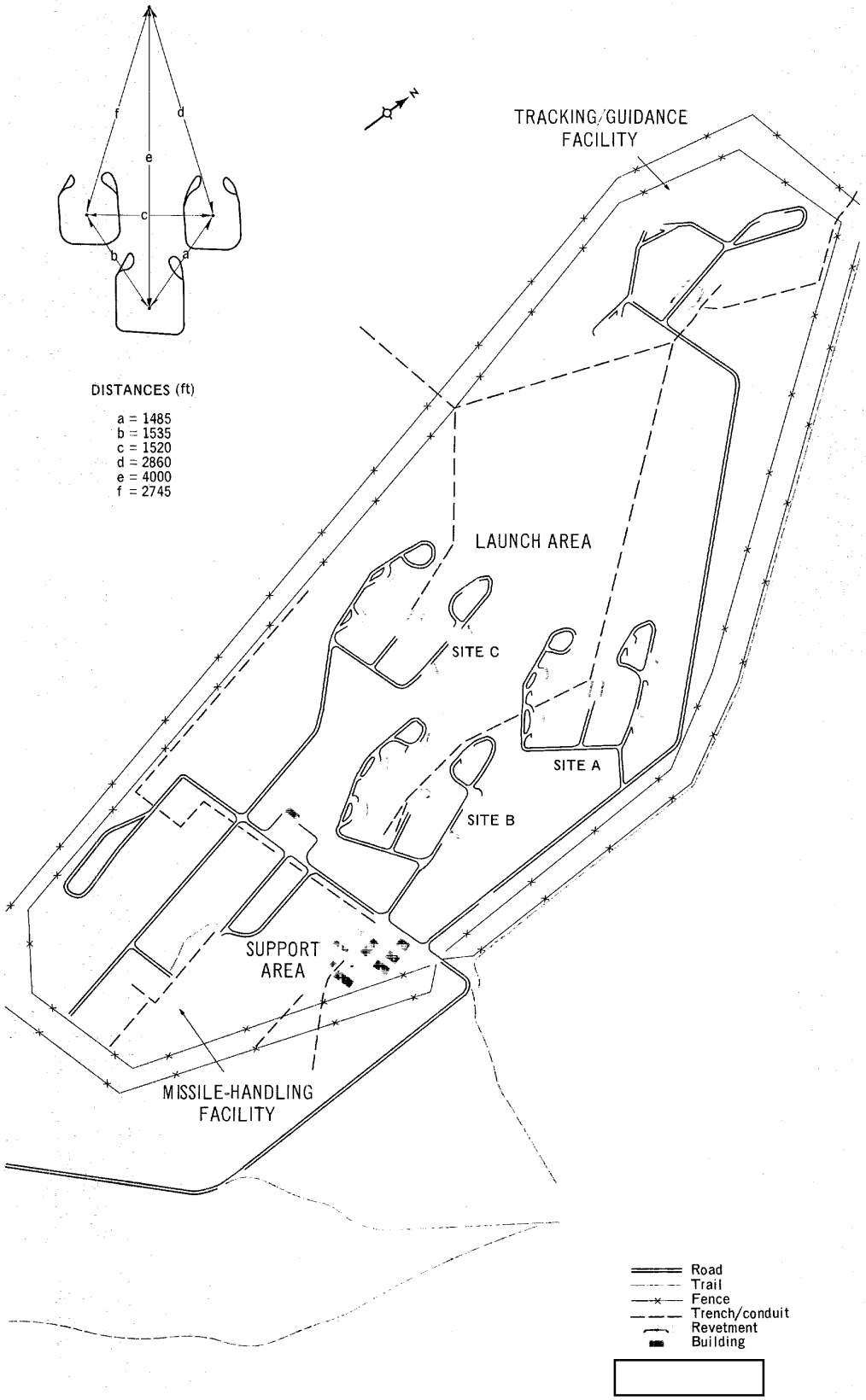


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*FIGURE 3. FEODOSIYA PLRS LAUNCH COMPLEX.*

25X1

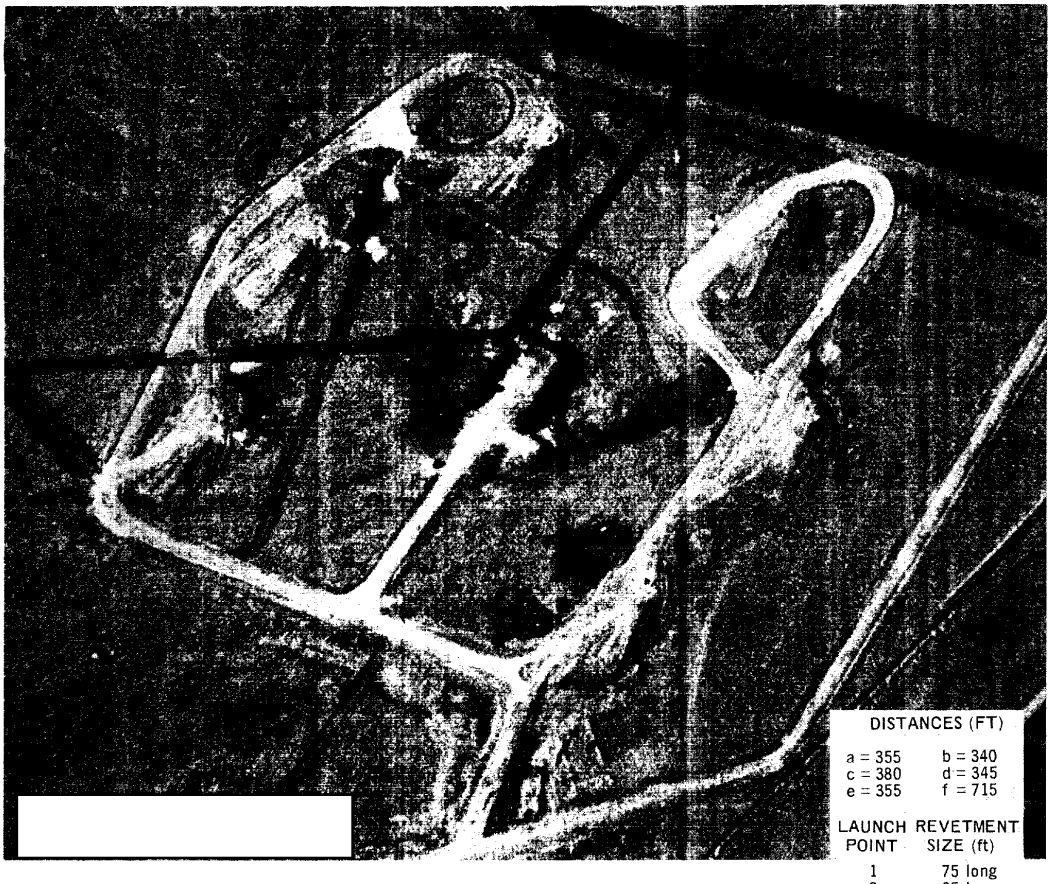


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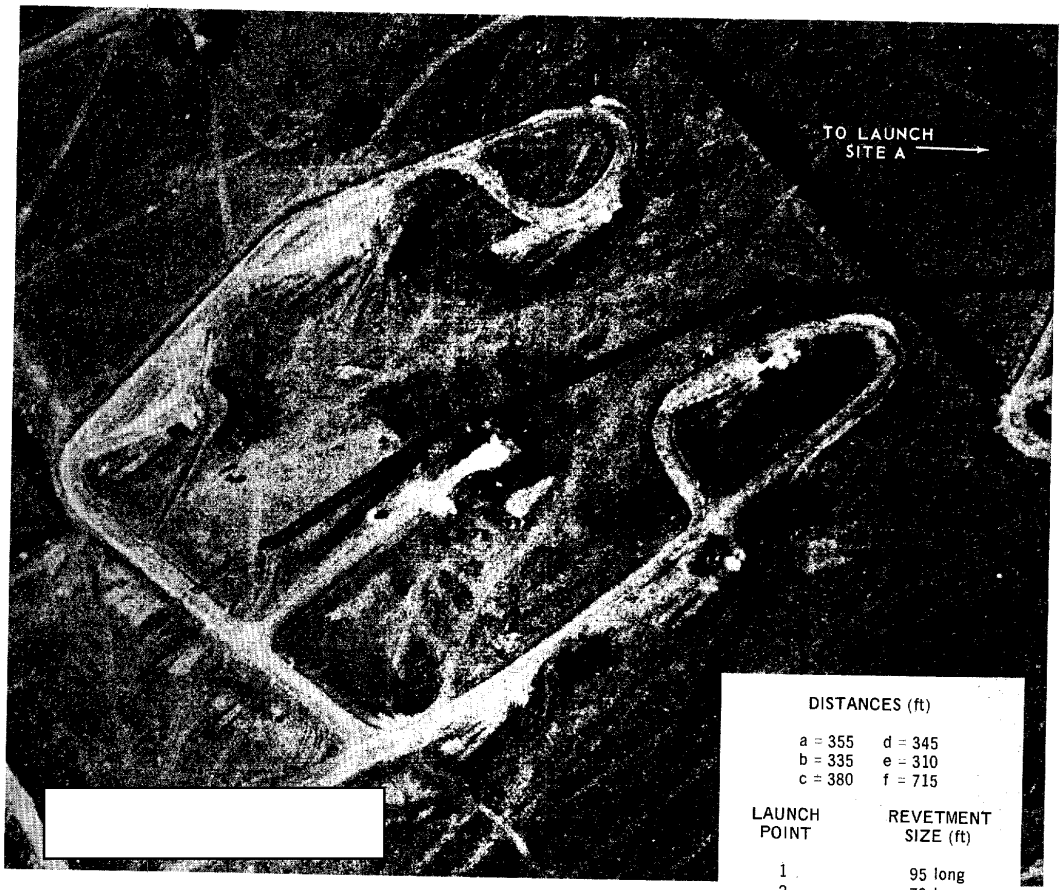
*FIGURE 4. LAUNCH SITE A, FEODOSIYA PLRS LAUNCH COMPLEX.*



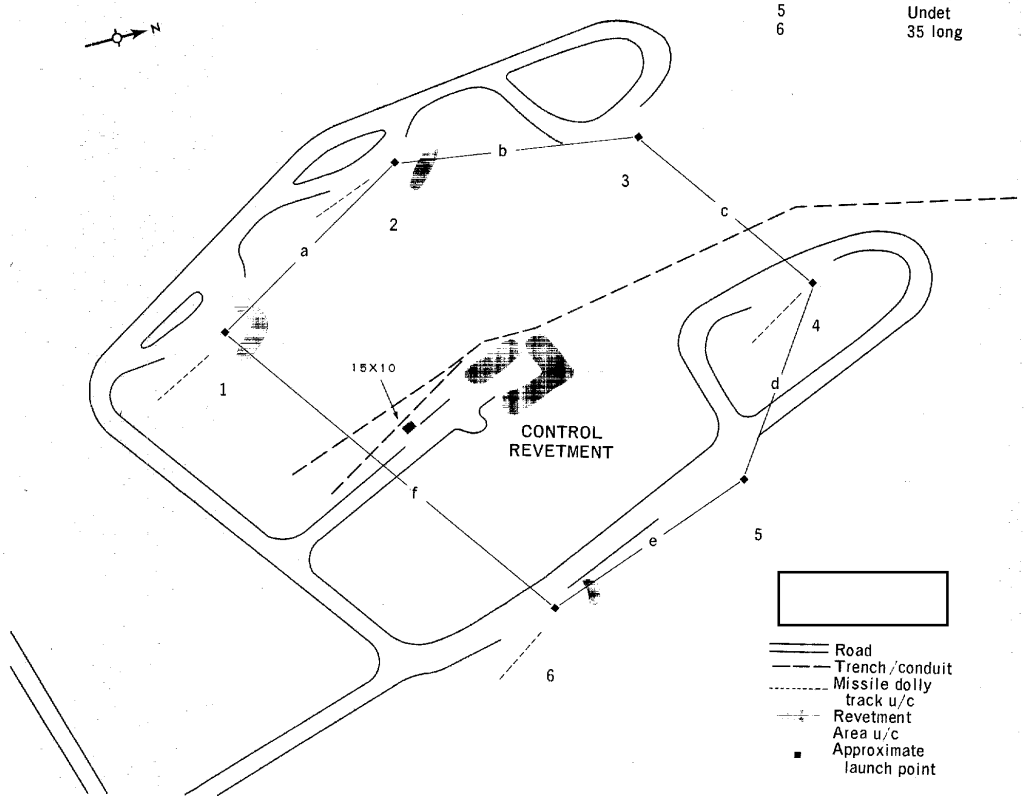
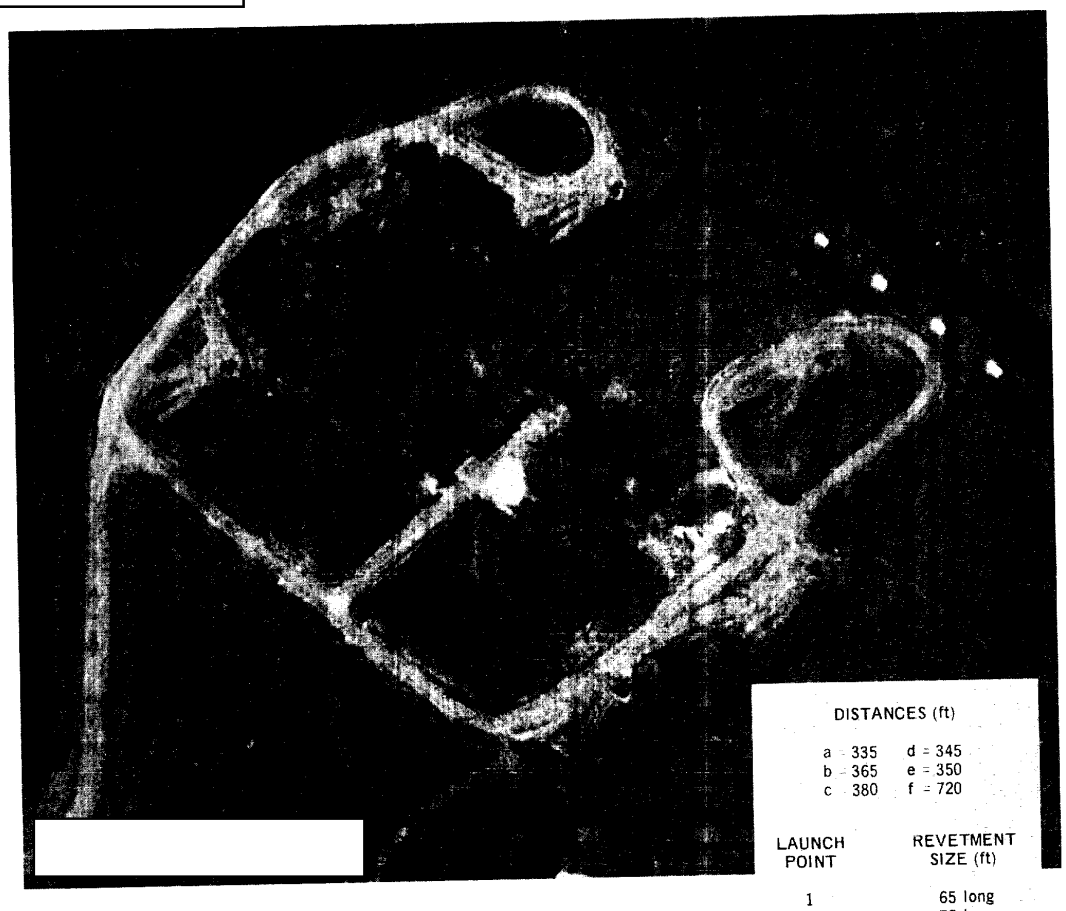




*FIGURE 5. LAUNCH SITE B, FEODOSIYA PLRS LAUNCH COMPLEX.*



DISTANCES (ft)

a = 335 d = 345
b = 365 e = 350
c = 380 f = 720

| LAUNCH POINT | REVETMENT SIZE (ft) |
|---|---|
| 1 | 65 long |
| 2 | 75 long |
| 3 | Undet |
| 4 | Undet |
| 5 | 30 long |
| 6 | 30 long |

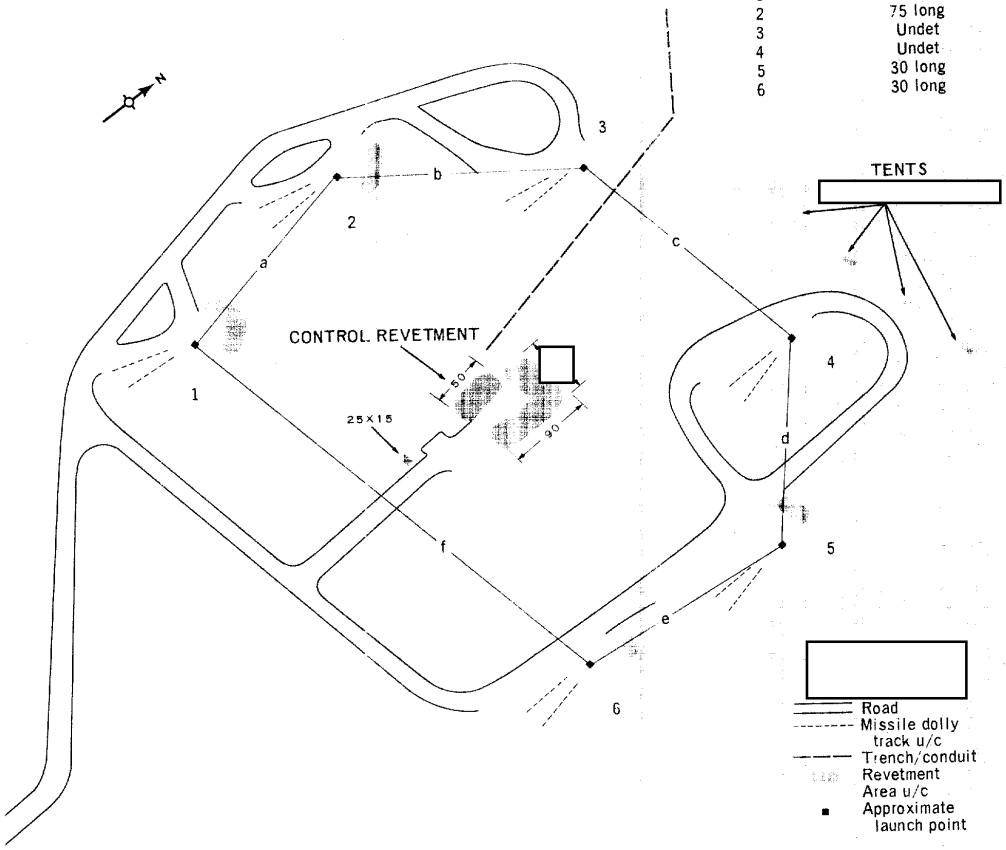
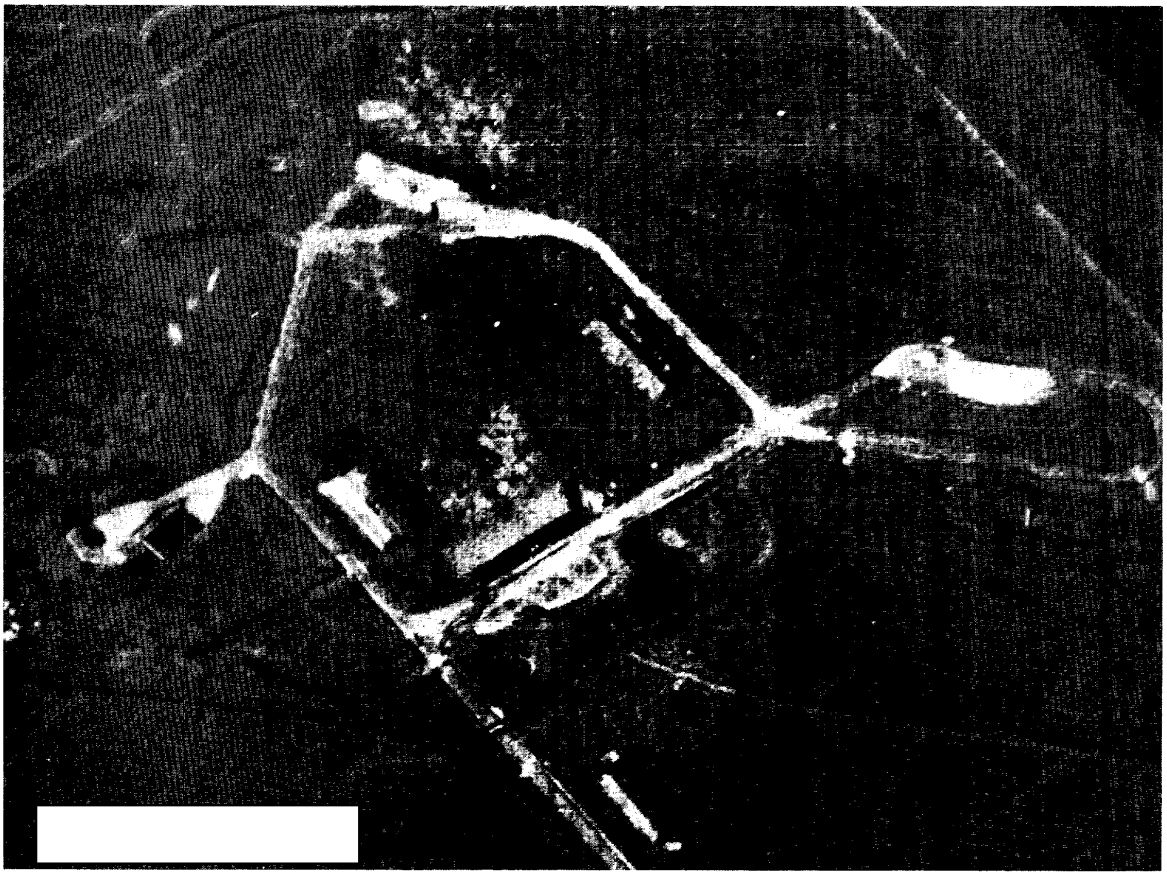



FIGURE 6. LAUNCH SITE C, FEODOSIYA PLRS LAUNCH COMPLEX.



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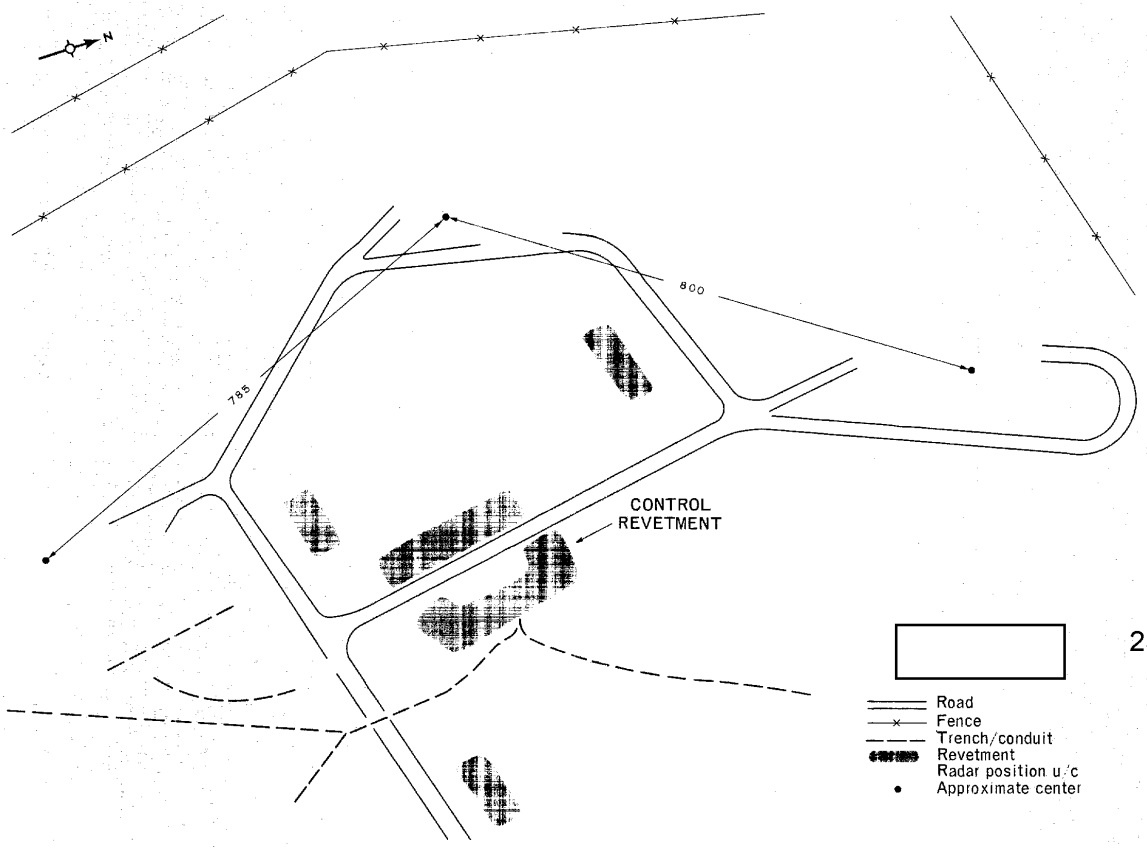


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*FIGURE 7. TRACKING/GUIDANCE FACILITY, FEODOSIYA PLRS LAUNCH COMPLEX.*

25X1

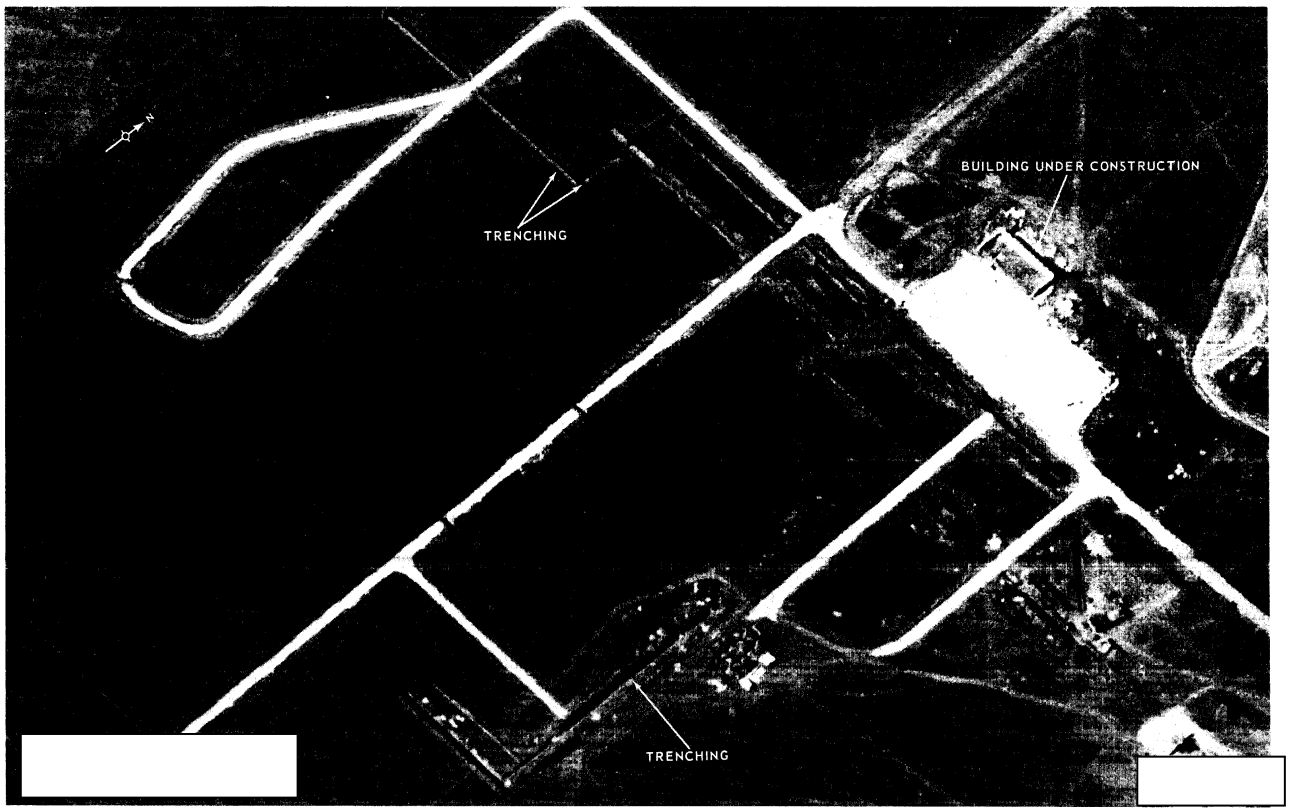
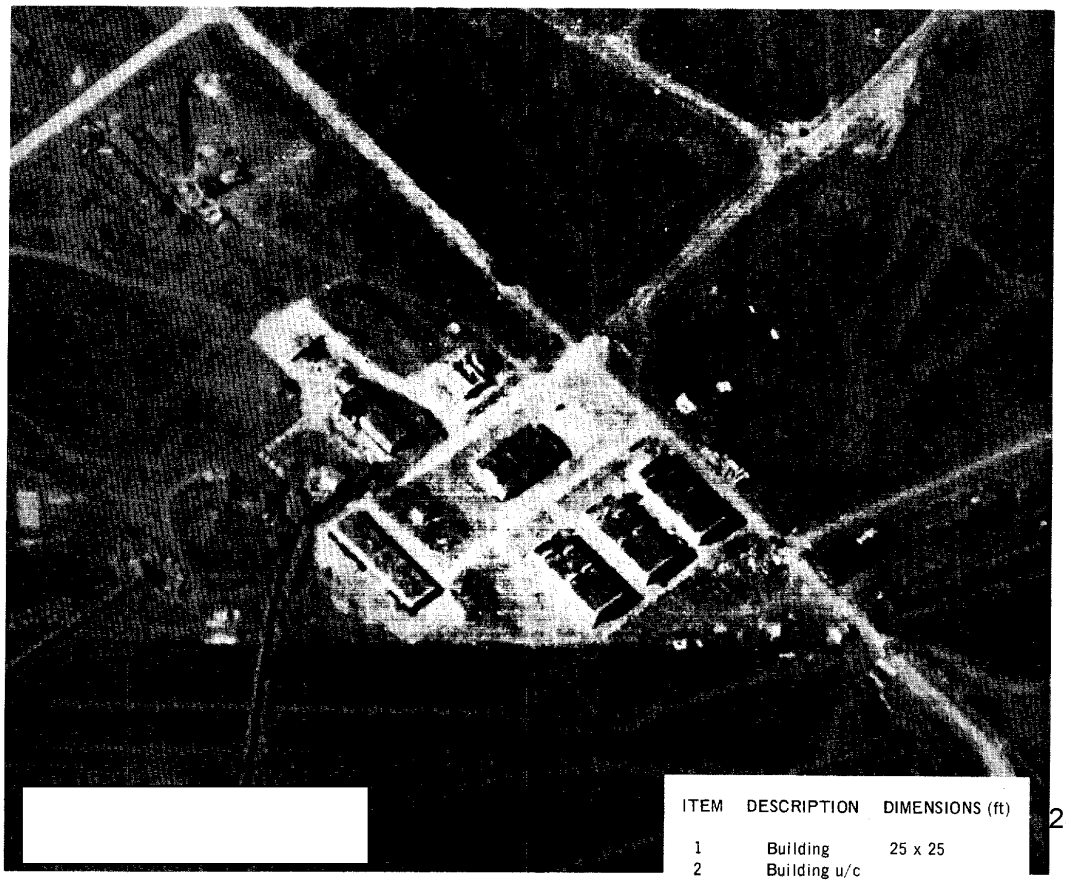





*FIGURE 8. MISSILE-HANDLING FACILITY, FEODOSIYA PLRS LAUNCH COMPLEX.*



| ITEM | DESCRIPTION | DIMENSIONS (ft) |
|---|---|---|
| 1 | Building | 25 x 25 |
| 2 | Building u/c | |
| a | | 45 x 45 |
| b | | 30 x 15 |
| 3 | Building | 100 x 30 x 20 |
| 4 | Building | 25 x 20 |
| 5 | Building | |
| 6 | Building | |
| 7 | Building | 115 x 60 x 15 |
| 8 | 3 Buildings | 125 x 50 x 25 ea |
| 9 | Building | 20 x 15 |

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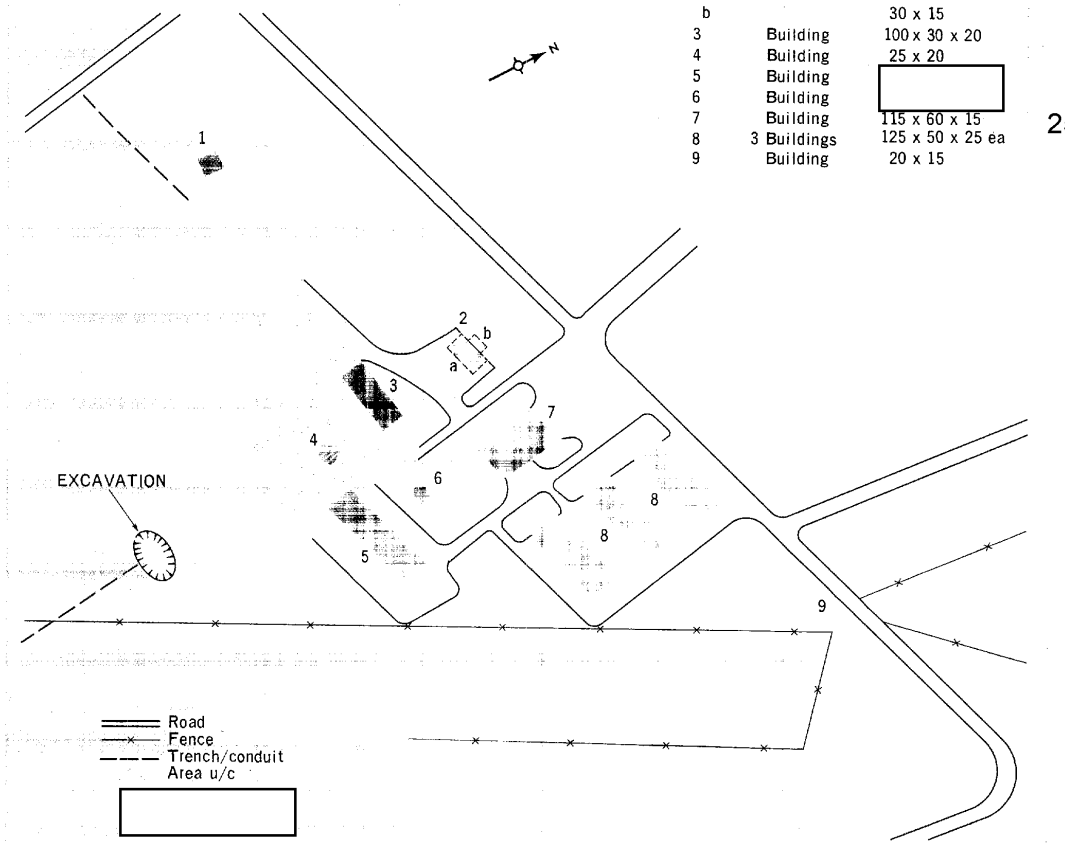


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*FIGURE 9. SUPPORT AREA, FEODOSIYA PLRS LAUNCH COMPLEX.*

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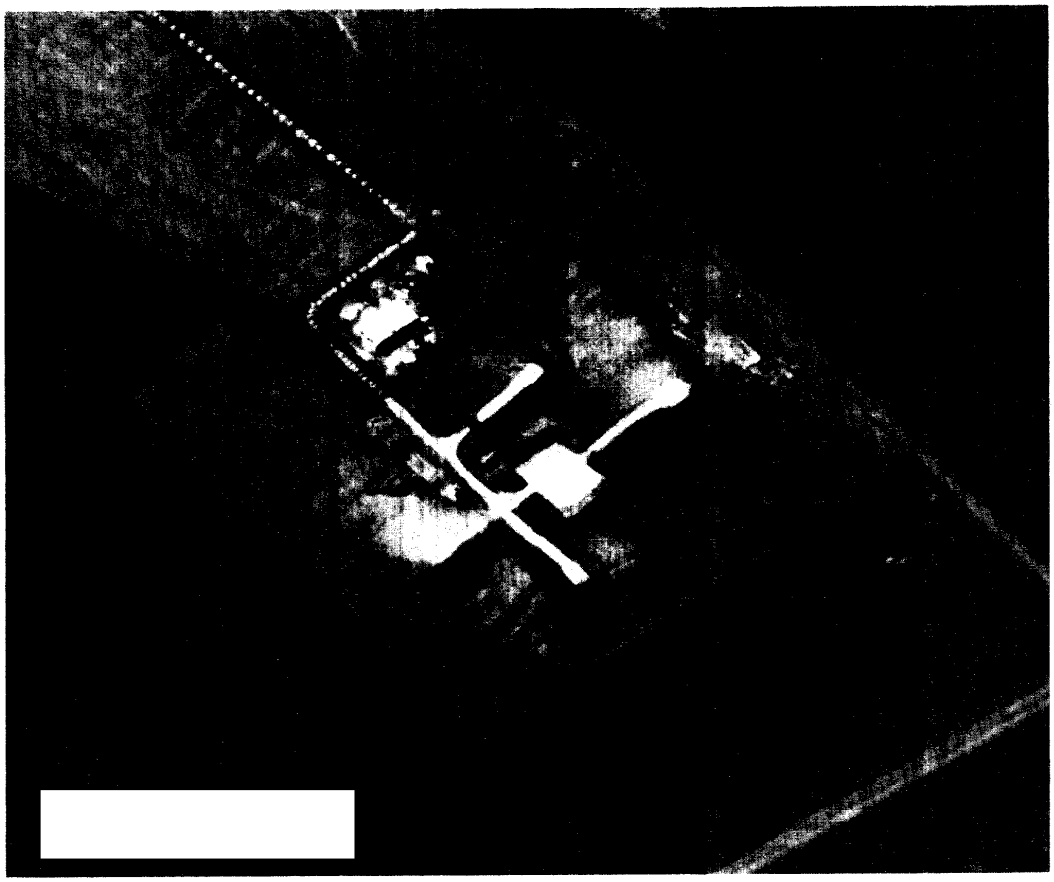




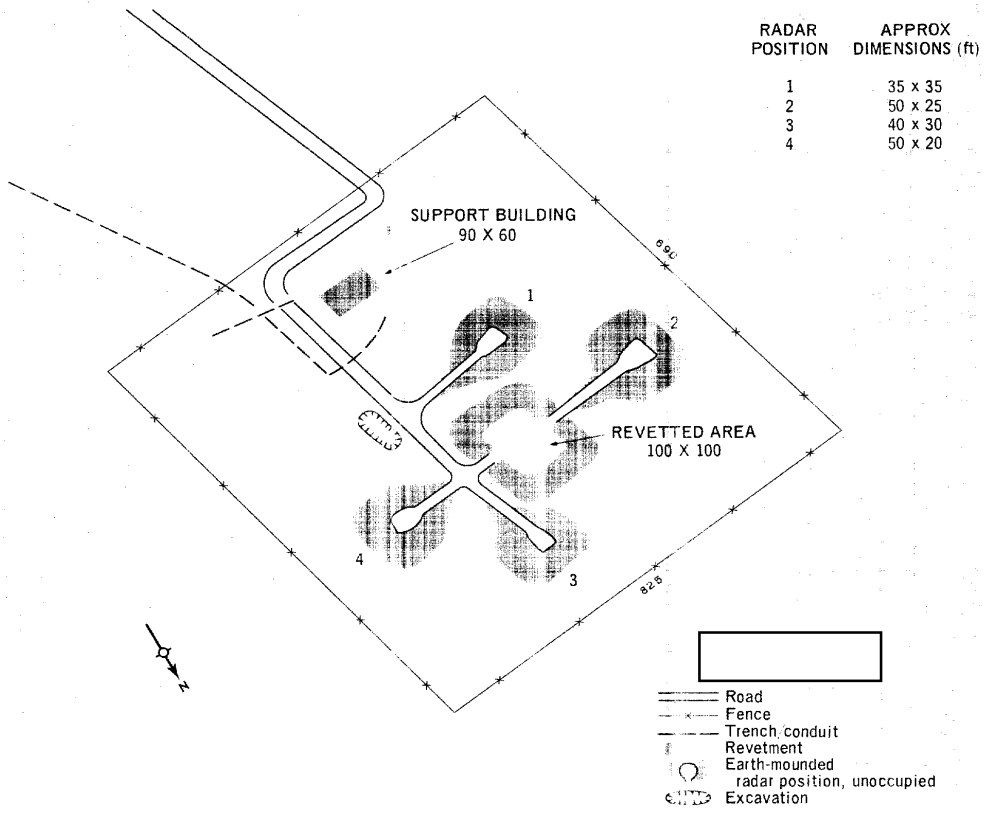
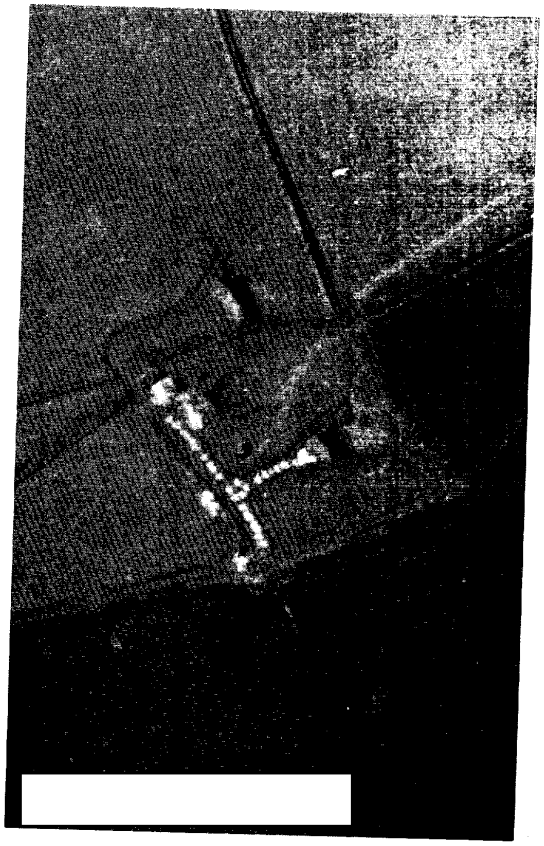
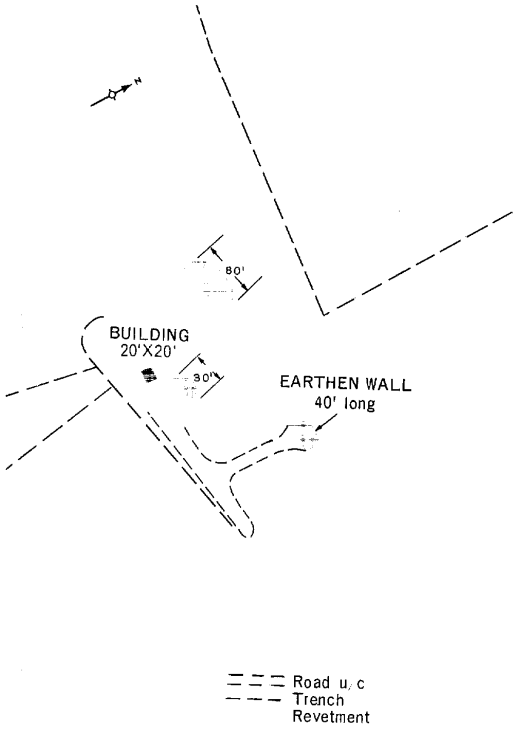


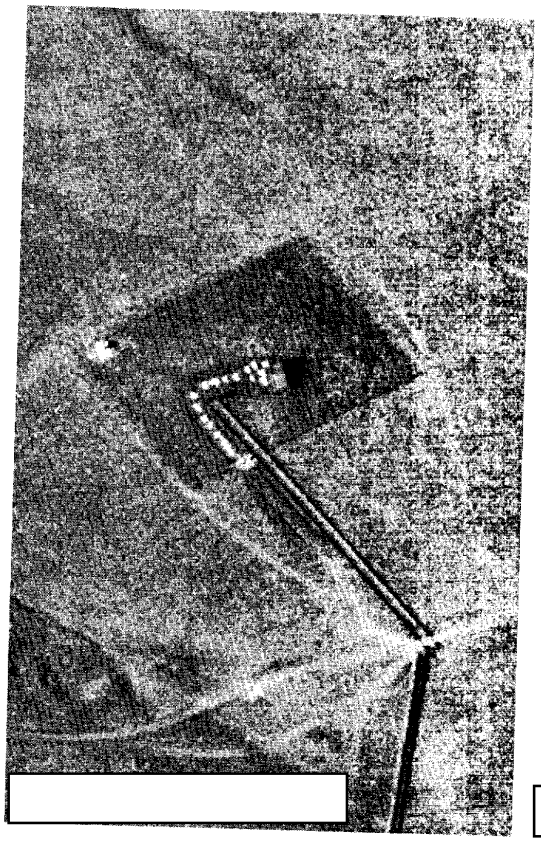

*FIGURE 10. AIR WARNING RADAR FACILITY, FEODOSIYA PLRS LAUNCH COMPLEX.*

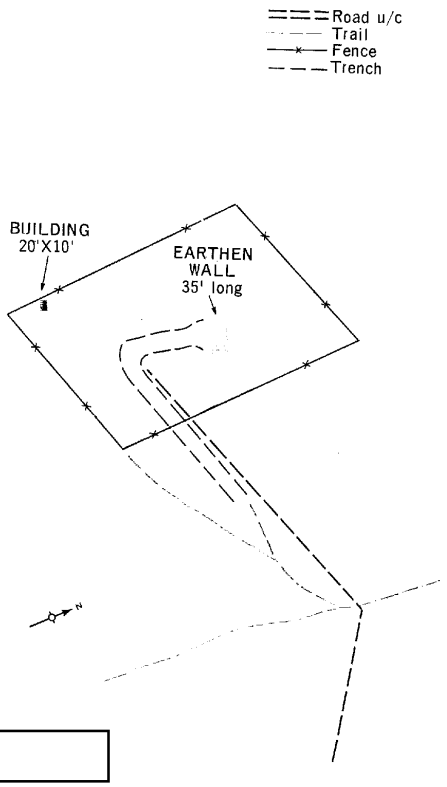





25X1D
25X1

FIGURE 11. EASTERN UNIDENTIFIED FACILITY, FEODOSIYA PLRS LAUNCH COMPLEX.






25X1D
25X1

FIGURE 12. WESTERN UNIDENTIFIED FACILITY, FEODOSIYA PLRS LAUNCH COMPLEX.

REFERENCES

PHOTOGRAPHY

25X1D

MAPS OR CHARTS

SAC series, scale 1:200,000

DOCUMENT

1. NPIC. *Summary of Probable Long Range SAM Launch Complexes, USSR,* Jun 67 (TOP SECRET

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25X1

REQUIREMENT

CIA. C-DI7-84,225

NPIC PROJECT

11248/67 (partial answer)

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